

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

10/20/92

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Dr. James A. Armbruster
PBI/Gordon Corporation
P.O. Box 4090
1217 West 12th Street
Kansas City, MO 62101

Dear Mr. Armbruster:

Subject: Amended Labeling in Response to the EBDC PD-4
Maneb 80W Fungicide
EPA Registration No. 2217-546
Your Submission Dated April 8, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the following labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Under Environmental Hazards, change the third sentence to "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark".

b. For cabbage, revise the remark regarding chinese cabbage to "(including chinese cabbage, tight-headed varieties only)".

c. Revise the directions for cucurbits to indicate that melons are limited to cantaloupe, casaba, creshaw, honeydew and watermelon.

d. If use on corn will be limited to Florida, add "only" following the state name.

e. Under grapes, add a footnote to the column under preharvest interval for areas west of the Rockies such as "See Remarks" to assure that the California restriction is highlighted.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

H7505C:J.Fairfax:2217-546:7/20/92

| | | | | | | | |
|---------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

A stamped copy of the label is enclosed for your records.

Sincerely yours,
Susan T. Lewis

Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

BEST AVAILABLE COPY

PH 01 2217-546

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AFTER TEXT

MANEB 80W FUNGICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 30 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

ACTIVE INGREDIENT:

| | | |
|---|------|----------|
| Maneb (Manganese ethylene bisdithiocarbamate) . . . | 80% | 2217-546 |
| (Metallic manganese equivalent - 16.5%) | | |
| INERT INGREDIENTS | 20% | |
| TOTAL | 100% | |

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for additional precautionary statements.

NET WEIGHT ___ OUNCES

643/492 AP000000
EPA REG NO 2217-546
EPA EST NO 2217-KS-1

Mfg. by PBI/GORDON CORPORATION
KANSAS CITY, KANSAS 66118

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**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS
AND FOLLOW DIRECTIONS CAREFULLY.**

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist. In case of skin contact wash with water, for eyes wash copiously with water and get medical attention. Home gardeners applying this product must wear a long-sleeved shirt, long pants, and chemical-resistant gloves. The gloves must be washed thoroughly with soap and water before removing. Clothes must be changed immediately after using this EBDC product and must be laundered separately from other laundry items before reuse.

Environmental Hazards: This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment wash waters. Apply only as specified on this label.

Physical or Chemical Hazard: Keep away from fire and sparks. Do not allow to become overheated during storage. This may bring on chemical changes which may generate flammable vapors.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

STORAGE & DISPOSAL

Storage: Store in original container in a locked storage area away from children, pets, food and feed. Store in a cool, dry place. Do not allow the product to become wet. Wetness or dampness may bring about chemical changes which will impair the fungicidal effectiveness of MANEB 80W FUNGICIDE. Keep away from fire and sparks. Keep container tightly closed when not in use.

Product Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not reuse container. Rinse thoroughly before discarding in trash.

GENERAL INFORMATION

MANEB 80W FUNGICIDE is designed as an aid in the control of various plant diseases. Use only in accordance with label instructions. This product is believed compatible with other commonly used pesticides and may be combined for use with other insecticides, miticides, or fungicides if, and as recommended, for a particular use unless such product directions specifically caution against any such combination applications. Always observe any listed timing restrictions between last application and harvest to avoid the possibility of residues in excess of the tolerances established.

Preharvest intervals on this label are specified so that pesticide residues will be at an acceptable level when the crop is harvested.

Thoroughly spray both upper and under surfaces of foliage. Unless otherwise directed, begin when disease first appears; repeat every 7 to 10 days as needed. Spray more frequently if infestation is severe. Use level tablespoonfuls. One tablespoon of this product equals 6.81 grams or 0.24 ounces (dry weight).

TABLE 1. VEGETABLES AND GRAPES

| Crop | Disease Controlled | Maximum Application Rate, Tablespoons per Gallon of water* | Maximum Number of Applications Per Season | Application Interval, Days | Preharvest Interval, Days | |
|--|---|--|---|----------------------------|---------------------------|--|
| Broccoli, Pencil Sprouts, Cabbage (Chinese cabbage and tight headed varieties only), Cauliflower, Kohlrabi | Alternaria leaf spot Downy mildew | 2/3 to 1 1/3 | 6 | 7 to 10 | 7 | Begin application |
| Cantaloupe, Cucumbers, Melons, Squash, Watermelons | Anthracnose, Downy mildew, Gummy stem blight | 1 1/3 | 8 | 7 to 10 | 5 | Start applications when the first sign of disease appears. Do not spray to underside of leaves. Melons may be sensitive to CIDE. |
| Corn (Sweet) Florida | Helminthosporium leaf blight | 1 | 15 | 3 to 10 | 7 | Begin application Do not feed treated corn |
| Eggplant | Anthracnose, Fruit rot | 1 1/3 | 7 | 7 to 10 | 5 | Begin application |
| Peppers (West of the Mississippi) | Anthracnose, Fruit rot | 1 1/3 | 6 | 7 to 10 | 7 | Begin application |
| (East of the Mississippi) | | 2 | 6 | 7 to 10 | 7 | |
| Endive, (In California) | Downy mildew | 1 1/3 | 6 | 7 to 10 | 10 | Apply at first sign of disease from head lettuce |
| Lettuce, Head and Leaf (In California) | | 1 1/3 | 4 | 7 to 10 | 14 | leaf lettuce and endive effective means. |
| Onions, Dry bulb | Botrytis leaf blight, Downy mildew, Purple blotch | 2 | 6 | 7 | 7 | Apply when disease appears. Do not apply to green onions. |
| Onions, Green | | 2 | 7 | 7 | 7 | |

TABLE 1. VEGETABLES AND GRAPES (Continued)

| Crop | Disease Controlled | Maximum Application Rate, Tablespoons Per Gallon of Water* | Maximum Number of Applications Per Season | Application Interval, Days | Preharvest Interval, Days | Remarks |
|--|--|--|---|----------------------------|---------------------------|---|
| Potatoes (Connecticut, Florida, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Vermont, Wisconsin) Elsewhere | Early and late blight | 1 1/3 | 7 | 5 to 10 | 3 | It is recommended that this product be used within an Integrated Pest Management Program. Also, vinekill should occur 14 days before harvest. |
| | | 1 1/3 | 7 | 5 to 10 | 14 | |
| Pumpkins | Angular leaf spot Downy mildew | 1 1/3 | 8 | 7 to 10 | 5 | Start applications when disease threatens. |
| Tomatoes (West of the Mississippi) (East of the Mississippi) | Anthracnose, Early and late blight, Septoria leaf spot, Stemphylium (gray leaf spot), Cladosporium gray mold | 1 1/3 | 4 | 7 to 10 | 5 | Begin applications when diseases are first reported in the area. To avoid damage, do not use on tender young plants under glass. |
| | | 2 | 7 | 7 to 10 | 5 | |
| Grapes (East of the Rocky Mountains) (West of the Rocky Mountains) | Black rot (bunch rot) | 2 2/3 | 6 | 7 to 10 | 66 | Begin applications when new shoots are 8 to 10 inches long (pre-bloom) and continue until 10 days after bloom. When fruit is present, use a maximum of 1 tablespoon per gallon of water. In California, no treatment may occur after bloom. |
| | | 1 2/3 | 3 | 7 to 10 | 66 | |

*Equivalent Measures: One tablespoon of MANEB 80W equals 6.81 grams or 0.24 ounces (dry weight).

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TABLE 2. FLOWERS AND ORNAMENTALS

| Ornamentals | Disease Controlled | Application Rate, Tablespoons Per Gallon of Water* | Remarks |
|-------------------|--|--|--|
| Flowering Dogwood | Anthracnose | 1 1/2 | In the spring, make three applications beginning when buds open; the second application when bracts have fallen; and the third application four weeks later. In the late summer, apply after flower buds for the next season are formed. |
| Peony | Botrytis blight, Phytophthora blight | 1 1/2 | Apply in early spring and early fall. Thoroughly spray foliage and drench the soil surrounding the plants. Destroy infected branches. |
| Carnation | Leaf spots | 1 1/2 | Use full coverage applications with weekly intervals throughout the season. Begin applications when plants are well leaved. |
| Dahlia | Botrytis blight | 1 1/2 | Use full coverage applications with weekly intervals throughout the season. Begin applications when plants are well leaved. |
| Lily | Botrytis blight | 1 1/2 | |
| Pansy | Anthracnose | 1 1/2 | |
| Rose | Black spot | 1 1/2 | |
| Snapdragon | Rust | 1 1/2 | |
| Zinnia | Leaf blights | 1 1/2 | |
| Gladiolus | Botrytis blight, Curvularia, Stemphylium | 1 1/2 | Use 2 to 3 applications with weekly intervals beginning when flower spikes are developing. |

*Equivalent Measures: One tablespoon of MANEB 80W equals 6.81 grams or 0.24 ounces (dry weight).

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TABLE 3. RESIDENTIAL LAWNS AND ESTABLISHED TURF

| Disease Controlled | Application Rate Ounces Per 1000 Square Feet* | Application Interval | |
|------------------------------|---|-------------------------|---|
| Leaf, Stem, and Stripe Rusts | 1.1 | 7 to 14 | Spray volumes should be adjusted to provide adequate coverage. Begin applications when first disease symptoms appear and continue applications as needed. Do not graze treated areas. Do not feed clippings to livestock. |
| Sclerotinia (Dollar spot) | 6 to 8 | 7 to 14 | |
| Melting out | 3 to 4 | 7 to 14 | |
| Rhizoctonia (Brown patch) | 3 | 5 to 10 | |

*Equivalent Measures: One tablespoon of MANEB 80W equals 6.81 grams or 0.24 ounces (dry weight).

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

Handwritten initials or mark.